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INTER-OFFICE CORRESPONDENCE

Richmond, Virginia

To: . Mr. L. X. Nghiem Date: September 28, 1983

From: . C. B. Sorrels

Subject: . REPORT ON THE INTERNATIONAL TOBACCO CONFERENCE, SEPTEMBER 14-17, 1983 IN RICHMOND
Engineering Project Number: 0000-0004

Jim Bowling, Al Collins and I attended the above conference. The only other P.M. employee (that I recognized) in attendance was Herman Friedrich, Vice Director of Process Development, P.M. Europe, Neuchatel.

From the Process Engineering point of view, the conference was somewhat disappointing in that there were no totally new processing developments presented. The most interesting process items discussed were Richard Neville's talk on the AMF-Legg Jet Conditioners and Derrick Brooks' presentation on the Hambro Fluidized Bed Dryer. Since we have the first production Jet Conditioner, little new information was gained from Mr. Neville's talk. The Hambro dryer paper was more of an overview of the dryer and only limited technical data were presented.

From my personal view point, the conference was good because it provided some insight on cigarette design. Dr. William Selke of Kimberly-Clark presented an excellent paper describing how cigarette delivery parameters such as CO can be reduced while maintaining tar delivery and puff count. One solution to this problem involves using more permeable tipping and plug wrap (to reduce CO while reducing tar to a lesser extent) and a less efficient acetate filter (to maintain tar delivery). To maintain the puff count (since more dilution means a slower burn rate) a faster burning cigarette paper must be used.

Another interesting paper was presented by Mr. John Nowers of Molins. This paper provided what is said to be the ideal sieve size distribution of cut filler in a cigarette to achieve maximum firmness (American blend cut at 35 cuts/inch).

Attachment 1 is a copy of the conference schedule showing the topics and speakers. This page also indicates the papers for which I have reprints. Reprints were available for all processing papers except the Hambro fluid bed dryer.

In Attachment 2 I have gone through my notes and produced a very brief summary of each paper presented. Since the Hambro paper was not reprinted, I have tried to produce a more detailed account of this talk.

At the conference we received a copy of the "International Tobacco Exhibition Souvenir Catalog" by Tobacco International. This catalog contained abstracts of each paper. I have copied these abstracts and they make up Attachment 3.

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I have extra copies of each reprint. Please contact me on ext. 3712 if you need a copy of any of the reprinted papers.

C. B. Sorrels

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/cjr

Attachments

cc: Mr. D. E. Albertson
Mr. H. Alonso
Mr. B. E. Bailey
Mr. J. A. Bowling
Messrs. H. G. Burnley, Jr./W. P. Taylor
Mr. K. S. Burns
Mr. D. T. Canfield
Mr. S. E. Clark
Mr. A. L. Collins
Mr. E. A. Eggleston
Mr. H. Friedrich (Neuchatel)
Mr. M. B. Maher
Mr. D. E. Merrill
Mr. S. R. Wagoner
Mr. J. A. Williams
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